

## UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG \_\_\_\_\_ ELECTRIC LOGS \_\_\_\_\_ FILE X WATER SANDS \_\_\_\_\_ LOCATION INSPECTION \_\_\_\_\_ SUB. REPORT/abd. \_\_\_\_\_DATE FILED JANUARY 12, 2000

LAND: FEE &amp; PATENTED

STATE LEASE NO.

PUBLIC LEASE NO.

INDIAN

DRILLING APPROVED: JANUARY 20, 200014-20-H62-3529

SPUDDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED:

FIELD: BRUNDAGE CANYON

UNIT:

COUNTY: DUCHESNEWELL NO. UTE TRIBAL 6-20API NO. 43-013-32142LOCATION 1850 FNL FT. FROM (N) (S) LINE. 1780 FWLFT. FROM (E) (W) LINE. SE NW1/4 - 1/4 SEC. 20

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

5 S4 W20BARRETT RESOURCES CORP

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

Oil well ☒

Gas well ☐

OTHER

Single zone ☒

Multiple zone ☐

2. NAME OF OPERATOR

BARRETT RESOURCES CORPORATION

CONFIDENTIAL

3. ADDRESS OF OPERATOR

30 WEST 425 SOUTH (330-5) ROOSEVELT, UTAH 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

(SE/NW) 1780' FWL, 1850' FNL

4431534N  
554466E

At proposed prod. zone

SAME AS ABOVE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

22 MILES FROM MYTON, UTAH

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

1780'

16. NO. OF ACRES IN LEASE

640

17. NO OF ACRES ASSIGNED TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED OR APPLIED FOR, ON THIS LEASE

1097'

19. PROPOSED DEPTH

5995'

20. ROTARY OR CABLE TOOLS

ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6656' GR

22. APPROX. DATE WORK WILL START\*

January 15, 2000

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	32.3#	300'	180 SX
7 7/8"	5 1/2"	15.5#	5995'	235 SX

OPERATOR REQUESTS PERMISSION TO DRILL THE SUBJECT WELL. PLEASE SEE THE ATTACHED 10 POINT AND THE 13 POINT SURFACE USE PLAN.

IF YOU REQUIRE ADDITIONAL INFORMATION PLEASE CONTACT:

GENE MARTIN  
30 WEST 425 SOUTH (330-5)  
ROOSEVELT, UTAH 84066

OFFICE: (435)722-1325

CELLULAR: (435)790-7451

Federal Approval of this  
Action is Necessary

DIVISION OF OIL, GAS & MINING

JAN 12 2000

RECEIVED

PLEASE KEEP THIS INFORMATION ON THIS WELL **CONFIDENTIAL**

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

*Gene Martin*

TITLE

Production Foreman

DATE 12/22/99

(This space for Federal or State office use)

PERMIT NO.

43-013-32142

APPROVAL DATE

APPROVED BY

*Bradley G. Hill*

CONDITIONS OF APPROVAL IF ANY

BRADLEY G. HILL  
RECLAMATION SPECIALIST-III

DATE 1/20/00

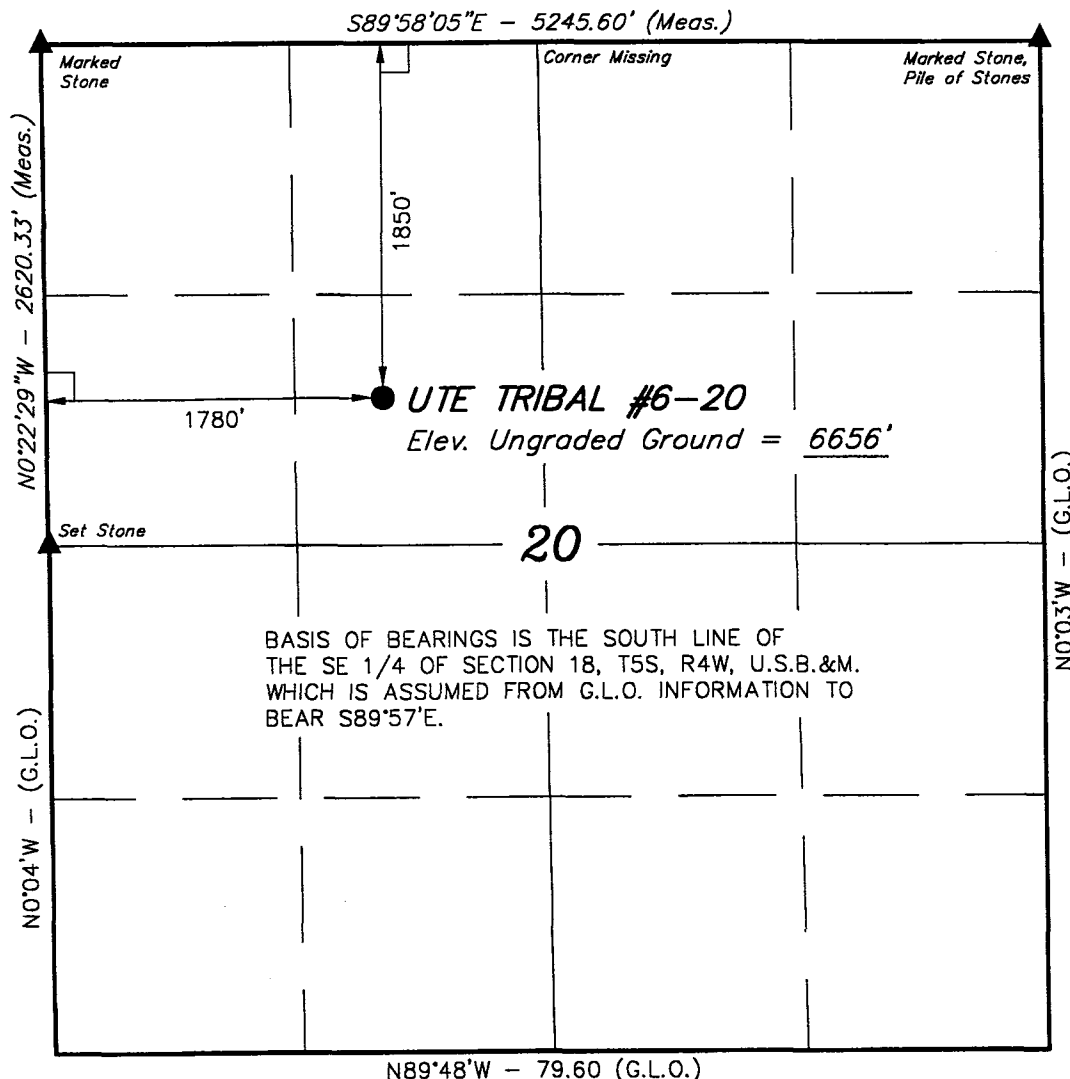
\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States a fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**T5S, R4W, U.S.B.&M.**

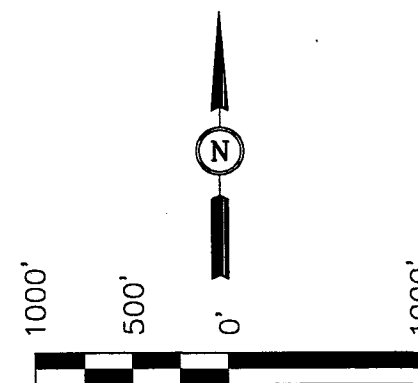
**BARRETT RESOURCES CORPORATION**

Well location, UTE TRIBAL #6-20, located shown in the SE 1/4 NW 1/4 of Section 20, T5S, R4W, U.S.B.&M. Duchesne County, Utah.



**BASIS OF ELEVATION**

SPOT ELEVATION AT THE SOUTHEAST CORNER OF SECTION 18, T5S, R4W, U.S.B.&M. TAKEN FROM THE DUCHESNE SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6559 FEET.



SCALE

**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME, OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

NO. 161319  
ROBERT L. COX  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

**LEGEND:**

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

LATITUDE = 40°02'02"  
LONGITUDE = 110°21'42"

SCALE 1" = 1000'	DATE SURVEYED: 10-27-99	DATE DRAWN: 11-15-99
PARTY K.K. S.L. D.A. D.COX	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE BARRETT RESOURCES CORPORATION	

SELF-CERTIFICATION STATEMENT

The following self-certification statement is provided per federal requirements dated June 15, 1988.

Please be advised that Barrett Resources Corporation is considered to be the operator of the following well.

Well Ute Tribal 6-20  
SE 1/4, NW 1/4, 1850' FNL, 1780' FEL, Section 20, T. 5 S., R. 4 W., U.S.B.&M.  
Lease BIA-14-20-H62-3529  
Duchesne, County, Utah

Barrett Resources Corporation is responsible under the terms of the lease for the operations conducted upon the lease lands.



Gene Martin  
Production Supervisor  
Barrett Resources Corporation  
30 West 425 South (330-5)  
Roosevelt, Utah 84066  
435-722-1325

## HAZARDOUS MATERIAL DECLARATION

FOR WELL NO. UTE 6-20

LEASE NO. 14-20-H62-3529

Barrett Resources Corporation guarantees that during the drilling and completion of the above referenced wells, we will not use, produce, or store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Super Amendments and Reauthorization act (SARA ) of 1986.

Barrett Resources Corporation guarantees that during the drilling and completion of the above referenced well, we will use, produce, store, transport, or dispose less than the threshold planning quantity (TPQ) of any extremely hazardous substances as defined in 40 CFR 355.

## TEN POINT PLAN

### BARRETT RESOURCES CORPORATION

Ute Tribal 4-20

Surface location SE 1/4, NW 1/4, 1850' FNL 1078' FEL, Section 20, T. 5 S., R. 4 W., U.S.B.&M.  
Duchesne County, Utah

#### 1,2,3 Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

<u>Formation</u>	<u>Depth</u>
Uinta	surface
Green River	1450'
Mahogany	2720'
TGR3 Marker	3765'
*Douglas Creek	4540'
*Castle Peak	5465'
Uteland Butte Ls.	5885'
TD	5995'

\*PROSPECTIVE PAY

#### 4 Casing Program

<u>HOLE</u>	<u>SETTING</u>	<u>DEPTH</u>					
<u>SIZE</u>	<u>from</u>	<u>to</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>THREAD</u>	<u>CONDITION</u>
12-1/4"	surface	300'	9-5/8"	32.3#	H40	ST&C	New
7-7/8"	surface	5995'	5-1/2"	15.5#	M50	LT&C	New

#### 5 Cementing Program

9-5/8" Surface Casing	180 sx Premium Cement w/2% Calcium Chloride – Anhy and 0.25 lb/sk Flocele @ 1.16 ft <sup>3</sup> /sk (15.8 ppg)
5-1/2" Production Casing	Lead: 235 sx HiFill Mod V with 16% gel plus 7.5 lb/sk Gilsonite, 3% salt, 2.0 lb/sk Granulite TR ¼ plus 0.8% HR@-7 and 0.75% Econolite plus 0.25 lb/sk Flocele @ 3.92 ft <sup>3</sup> /sk (11.0 ppg) Tail: 310 sx 50/50 POZ V with 2% gel plus 3% KCl, plus 3.0 lb/sk Silicalite and 1.0 lb/sk Granulite TR ¼ and 0.2% Halad@-322 and 0.2% FWCA @ 1.48 ft <sup>3</sup> /sk (13.4 ppg)

**6. Mud Program**

<u>INTERVAL</u>	<u>WEIGHT</u>	<u>VISCOSITY</u>	<u>FLUID LOSS</u>	<u>REMARKS</u>
0 – 300'	8.3 – 8.6	27-40	NC	Spud Mud
300 – 3800'	8.3 – 8.6	27-36	NC	Water/Gel
3800 – 5995'	8.6 – 8.8	27-30	NC	KCL Water

**7. BOP and Pressure Containment Data**

The anticipated surface pressure will be less than 2000 psi.

A 2000 psi wp BOP system as described in the BOP and pressure containment data (attached) will be installed and maintained from the 9 5/8 surface casing. The BOP system including the casing will be pressure tested to the minimum standards set forth in Onshore Order No.2. The BOP will be mechanically checked daily during drilling operation.

The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.

**8. Auxiliary equipment**

- a) An upper Kelly Cock will be kept in the string at all times.
- b) A float will be used at the bit at all times.
- c) A stabbing valve will be available on the rig floor and will fit all rotary connections.
- d) 2" choke manifold and pit level indicator.

**9. Testing, Logging and Core Programs**

Cores	None
DST's	None anticipated
Sampling	10' dry cut samples; Douglas Creek to TD Preserve samples from all show intervals
Surveys	Run every 100' and on trips
Mud logger	Rocky Mountain Geo-Engineering; one-man mudlogging unit, TGR3 marker (3765') to TD
Logging Program	HRI-GR-SP w/ SDL-DSN-PE; surface casing to TD Provide digital log data (LAS format)

Barrett Resources Corporation  
Drilling Program  
Ute Tribal No. 6-20  
Duchesne County, Utah  
Page Three

**10. Anticipated Abnormal Pressures or Temperatures**

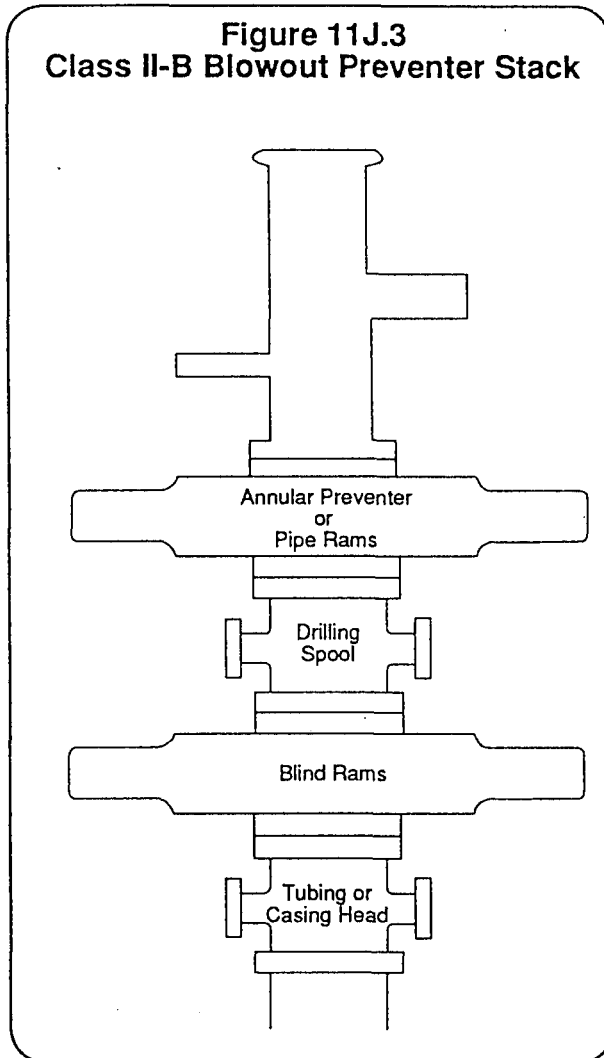
No abnormal pressures or temperatures or other hazards are anticipated. Other wells in the area have not encountered over-pressured zones or H<sub>2</sub>S.

**11. Drilling Schedule**

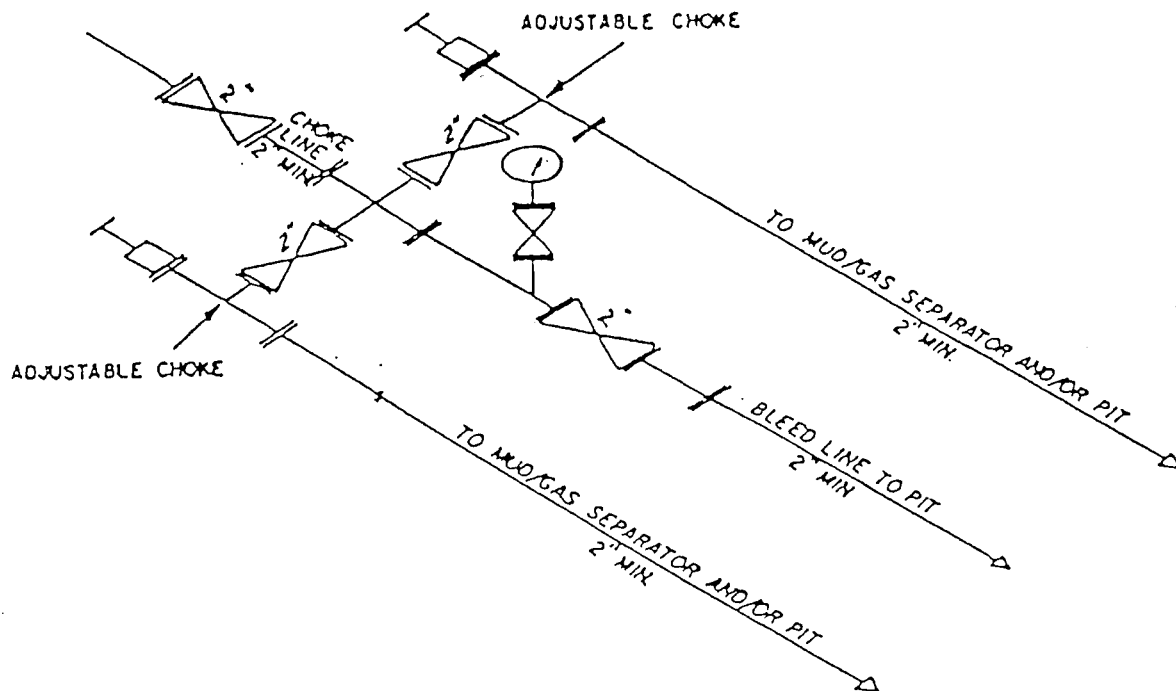
Dirt work start up:	Immediately upon approval of APD
Spud:	Approximately January 15, 2000
Duration:	10 days drilling time
	15 days completion time

## CLASS II-B BLOWOUT PREVENTER STACK:

**Figure 11J.3**  
**Class II-B Blowout Preventer Stack**



The Class II-B preventer stack is designed for drilling or workover operations. It is composed of a single hydraulically operated annular preventer on top, then a drilling spool, and a single blind ram preventer on bottom. In an alternate configuration, a single pipe ram preventer may be substituted for the annular preventer. The choke and kill lines are installed onto the drilling spool and must have a minimum internal diameter of 2". An emergency kill line may be installed on the wellhead. As the maximum anticipated surface pressure of this stack is less than 2000 psi, screwed connections may be used. All components must be of steel construction. The Class II-B blowout preventer stack is shown to the left in Figure 11J.3.



② 2M CHOKE MANIFOLD EQUIPMENT — CONFIGURATION OF CHOKES MAY VARY

**BARRETT RESOURCES CORPORATION**

**13 POINT SURFACE USE PLAN**

**FOR**

**WELL LOCATION**

**UTE TRIBAL 6-20**

**LOCATED IN**

**SE ¼ NW ¼, 1850' FNL, 1780' FWL  
SECTION 20, T. 5 S. , R. 4 W., U.S.B.&M.**

**DUCHESNE COUNTY, UTAH**

**LEASE NUMBER: BIA 14-20-H62-3529**

**SURFACE OWNERSHIP: UTE TRIBE**

## **1. Existing Roads**

To reach the Barrett Resources well, Ute Tribal 6-20 location, in Section 20-T5S-R4W:

Start in Myton, Utah. Proceed west on US Highway 40, 8.8 miles to the Antelope Creek/Sowers Canyon Road at the Bridgeland turnoff. Turn south and proceed 10.1 miles to the Brundage Canyon Road. Turn south on the Brundage Canyon Road and proceed south and west 3.1 miles. The road turns strongly to the north. Go +/- 300' north and turn east onto the proposed Ute Tribal 6-20 access road and proceed +/- 100' to location.

The existing oilfield service road may need some surface material to prevent or repair holes in the road due to heavy truck traffic during the drilling and completion operation. If repairs are made the operator will secure material from private sources.

Please see the attached map for additional details.

## **2. Planned access road**

Approximately 100 feet of new road will be required.

Details of the construction are as follows;

Length- 100 ft (approx)

Width- 32 ft( approx)

Grade- 10% or less

Please see the attached location plat for additional details.

No right of way will be required. All new construction will be conducted on lease.

All travel will be confined to existing road right of ways.

Access roads and surface disturbing activities will conform to standards outlined in the USGS publication (1978) Surface Operation Standards for Oil and Gas Development.

**3. Location of Existing Wells**

The following wells are located within one mile radius of the location site.

**A) PRODUCING WELLS:**

OIL WELL	UTE TRIBAL 15-17	SW/4 SE/4 SEC. 17-T5S-R4W
OIL WELL	UTE TRIBAL 13-17	SW/4 SW/4 SEC. 17-T5S-R4W
OIL WELL	UTE TRIBAL 16-18	SE/4 SE/4 SEC. 18-T5S-R4W
OIL WELL	UTE TRIBAL 1-19	NE/4 NE/4 SEC. 19-T5S-R4W
OIL WELL	UTE TRIBAL 3-19	NE/4 NW/4 SEC. 19-T5S-R4W
OIL WELL	UTE TRIBAL 7-19	SW/4 NE/4 SEC. 19-T5S-R4W
OIL WELL	UTE TRIBAL 9-19	NE/4 SE/4 SEC. 19-T5S-R4W
OIL WELL	UTE TRIBAL 1-30	NE/4 NE/4 SEC. 19-T5S-R4W
OIL WELL	UTE TRIBAL 1-29	NE/4 NE/4 SEC. 19-T5S-R4W
OIL WELL	UTE TRIBAL 15-19	SW/4 SE/4 SEC. 19-T5S-R4W
OIL WELL	UTE TRIBAL 5-20	SW/4 NW/4 SEC. 20-T5S-R4W
OIL WELL	SO. COTTONWOOD RIDGE UNIT NO. 1	NE/4 NE/4 SEC. 20-T5S-R4W

**B) WATER WELLS:** NONE

**C) ABANDONED WELLS :** UTE TRIBAL 7-20  
SW/4 NE/4 SEC. 20-T5S-R4W

**D) TEMPORARILY ABANDONED WELLS:** NONE

**E) DISPOSAL WELLS:** NONE

**F) DRILLING WELLS:** NONE

**G) SHUT IN WELLS:** NONE

**H) INJECTION WELLS:** NONE

**I) MONITORING OR OBSERVATION WELLS:** NONE

PLEASE SEE ATTACHED MAP FOR ADDITIONAL DETAILS.

Barrett Resources Corporation  
Surface Use Plan  
Ute Tribal No. 6-20  
Duchesne County, Utah  
Page Three

#### **4. Location of Tank Batteries, Production Facilities and Production Gathering and Service Lines**

These wells are being drilled and evaluated on a lease basis. After the wells have been drilled, but before completion and production, a centralized production facility will be built to serve all 8 of these proposed wells. A Cooperative Development Agreement with the Ute Indian Tribe will be in place prior to the building of this centralized production facility.

All permanent (on site for six months or longer) structures constructed or installed will be painted a desert brown color. All facilities will be painted within six months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded. The required paint color is desert brown (10 YR 6/4).

The centralized tank battery will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank in the battery. The integrity of the dike will be maintained.

All site security guidelines identified in 43 CFR 3126.7 regulation will be adhered to. All off-lease storage, off-lease measurement, or commingling on lease or off lease will have prior written approval from the authorized officer.

A single production flowline or water injection line will be installed on the surface from the wellhead back to the central battery. The flowline will follow the wellsite access road. The right of way for the road has been staked on the ground. There will be no additional surface disturbances required for the installation of any gathering line.

Gas meter runs will be located at the central battery. The gas line will be buried, or anchored down from the separator to the meter. Meter runs will be housed and/or fenced.

The gas meter will be calibrated and the tank strapped in place prior to any deliveries. Tests for the meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The authorized officer will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration report will be submitted to the Vernal District office. All measurement facilities will conform with API and AGA standards for gas and liquid hydrocarbon measurement.

#### **5. Location and Type of Water Supply**

Water wells are planned for use in this area. Once these water wells have been drilled and completed, water from these new water wells will be trucked or piped to this location for drilling and completion purposes. A Water Use Agreement is in place with the Ute Tribe.

#### **6. Source of Construction Materials**

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. Additional gravel or pit lining material will be obtained from private sources.

#### **7. Methods for Handling Waste Disposal**

##### **A) Pit construction and liners:**

The reserve pit will be approximately 10 feet deep and at least one-half of the depth shall be below the surface of the existing ground.

The reserve pit will be lined with a 16 mil pit liner. The pit liner will be torn and perforated after the pit dries and before backfilling the reserve pit. The reserve pit will be reasonably free of hydrocarbons before the pit is backfilled.

**B) Produced Fluids:**

Produced water will be confined to the reserve pit, or if deemed necessary, a storage tank for a period not to exceed 90 days after initial production. During the 90 day period an application for approval for a permanent disposal method and location will be submitted to the authorized officer.

**C) Garbage:**

A trash cage, fabricated from expanded metal, will be used to hold trash on location and will be removed to an authorized landfill location.

**D) A portable chemical toilet will be supplied for human waste.**

**E) Site clean-up:**

After the rig is moved out, the area around the wellsite will be cleaned and all refuse removed.

**8. Ancillary Facilities**

There are no ancillary facilities planned for at this time and none are foreseen in the future.

## 9. Wellsite Layout

Location dimensions are as follows:

A) PAD LENGTH	300 FT
B) PAD WIDTH	140 FT
C) PIT DEPTH	10 FT
D) PIT LENGTH	180 FT
E) PIT WIDTH	70 FT
F) MAX CUT	18.0 FT
G) MAX FILL	6.2 FT
H) TOTAL CUT YARDS	9,790 CU YDS
I) PIT LOCATION	SOUTHEAST CORNER
J) TOP SOIL LOCATION	EAST END
K) ACCESS ROAD LOCATION	FROM THE WEST
L) FLARE PIT	SOUTH SIDE

Please see the attached location diagram for additional details.

All pits will be fenced according to the following standards:

- A) 39 inch net wire shall be used with at least one strand of wire on top of the net wire (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
- B) The net wire shall be no more than 2 inches above the ground. The barbed wire shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C) Corner posts shall be cemented and/or braced in such a manner as to keep the fence tight at all times.

- D) Standard steel, wood or pipe posts shall be used between the corner braces. Distance between any two posts shall be no greater than 16 ft.
- E) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

#### **10. Plans for Restoration of the Surface**

Prior to the construction of the location, the top 12 inches of soil material will be stripped and stockpiled. This will amount to 2,080 cubic yards of material. Placement of the topsoil is noted on the attached location plat. When all drilling and completion activities have been completed, the unused portion of the location (the area outside the deadmen) will be recontoured and the topsoil spread over the area.

The dirt contractor will be provided with an approved copy of the surface use plan prior to construction activities.

Any drainage rerouted during the construction activities shall be restored to its original line of flow or as near as possible.

All disturbed areas will be recontoured to the approximate natural contours. Prior to backfilling the pit, the fences around the reserve pit will be removed. The pit liner will be cut off at the water or mud line and disposed of at an approved landfill site. The liner will also be torn and perforated after the pit dries and before backfilling of the reserve pit.

The reserve pit will be reclaimed within 90 days of well completion. If the reserve pit has not dried sufficiently to allow backfilling, an extension on the time requirement for backfilling the pit will be requested. Once reclamation activities have begun, they shall be completed within 30 days.

After the reserve pit has been reclaimed, no depressions in the soil covering the reserve pit will be allowed. The objective is to keep seasonal rainfall and runoff from seeping into the soil used to cover the reserve pit. Diversion ditches and water bars will be used to divert runoff as needed.

When restoration activities have been completed, the location site and new access road cuts and shoulders shall be reseeded. Prior to reseeding, all disturbed areas, including the old access road, will be scarified and left with a rough surface.

A) Recommended Seed Mixture:

Russian rye 6# per acre. Fairway crested wheat grass 6# per acre.

B) Seeding Dates:

After September 15, and before the ground freezes.

Seed will be broadcast or drilled at the time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage and the seed mixture will be proportionately larger (double the pounds per acre).

At such time the well is plugged and abandoned, the operator will submit a surface reclamation plan to the Surface Management Agency for prescribed seed mixture and reseeding requirements.

**11. Surface Ownership:**

the Ute Tribe

## 12. Other Information

### A) Vegetation:

The trees in the area are cedar and pinion. The vegetation coverage is slight. The majority of the existing vegetation is made up of rabbit, sage, and bitter brush. Also found on the location is prickly pear, Indian rice grass and yucca.

### B) Dwellings:

There are no occupied dwellings, or other facilities within a one-mile radius of this location.

### C) Archaeology:

The location has been surveyed and there is no archaeological, historical, or cultural sites near the proposed site. Please see the attached archaeological clearance map.

If, during operations, any archaeological or historical sites, or any objects of antiquity (subject to the Antiquities Act of June 8, 1906) are discovered, all operations which would affect such sites are to be suspended and the discovery reported promptly to the surface management agency.

### D) Water:

The nearest water is in the bottom of Sowers Canyon 3.2 miles to the west.

### E) Wood:

No wood permit will be required for this location. Barrett Resources has a joint Venture Agreement with the Ute Tribe. This agreement makes it unnecessary for Barrett Resources to obtain a wood permit. Please see the Joint Venture Agreement, between Zinke & Trumbo Ltd., which has been assigned to Barrett Resources, if you require additional information.

F) Chemicals:

No pesticides, herbicides or other possible hazardous chemicals shall be used without prior application.

G) Notification:

- a) BLM, Vernal, Utah: Stan Olmstead (801-789-1362)  
24 to 48 hours before construction of the location.  
Also after site construction and before the rig moves in.
- b) BIA, Fort Duchesne, Utah: Charlie Cameron (801-722-2406)  
24 to 48 hours before construction of the location.  
Also after site construction and before the rig moves in.
- c) Ute Tribe, Minerals Division, Fort Duchesne, Utah:  
Ferron Secakuku (801-722-4992)  
24 to 48 hours before construction of the location.  
Also after site construction and before the rig moves in.

H) Flare Pit:

The flare pit will be located 15 feet from the reserve pit fence and 100 feet from the bore hole on the west side of the location, immediately above points B and C on the location layout plat. All fluids will be removed from the pit within 48 hours of occurrence.

I) Grazing Permittee:

Ute Tribal Livestock Enterprises  
Fort Duchesne, Utah  
801-722-2406

Barrett Resources Corporation

Surface Use Plan

Ute Tribal No. 6-20

Duchesne County, Utah

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### **13. Lessees or Operators Representative and Certification**

#### **A) Representative**

NAME:	Gene Martin
ADDRESS:	Barrett Resources Corporation 30 West 425 South (330-5) Roosevelt, Utah 84066
PHONE:	435-722-1325
CELLULAR:	435-790-7451

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations and onshore oil and gas orders. The operator is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The drilling permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

Barrett Resources Corporation  
Surface Use Plan  
Ute Tribal No. 6-20  
Duchesne County, Utah  
Page Twelve

B) Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge and belief, true and correct; and that the work associated with the operations proposed herein will be performed by Barrett Resources Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

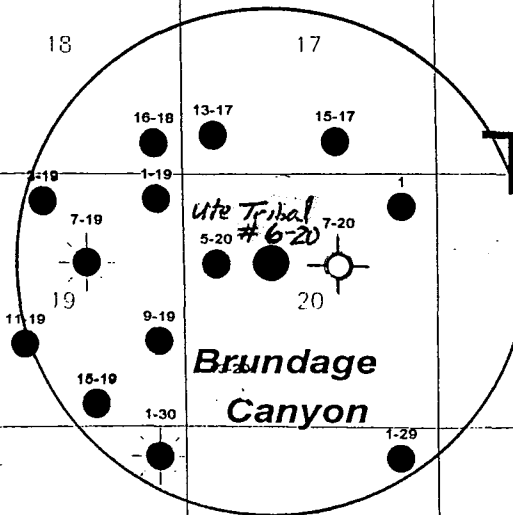
DATE

A handwritten signature in black ink, appearing to read "Gene Martin", with a long horizontal flourish extending to the right.

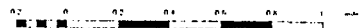
Gene Martin  
Production Supervisor  
Barrett Resources Corporation

T5S R5W

T5S R4W



Scale 1:48000.



Barrett Resources		
Brundage Canyon Field Base Map Duchesne County, Utah		
JIM TURNER		12/03/1999
	Scale 1:48000.	BR.Wells.gxd

## APPLICATION FOR GRANT OF CORRIDOR RIGHT-OF-WAY

**BARRETT RESOURCES CORPORATION**, having a resident or principal place of business at **30 West 425 South (330-5), Roosevelt, Utah, 84066**, hereby files an application with the Bureau of Indian Affairs, pursuant to the terms and provisions of the Act of February 5, 1948 (62 Stat. 17; 25 U.S.C. 323), and to the regulations of the Department of the Interior contained in Title 25, Code of Federal Regulations, Part 169, for the grant of a Right-of-Way for the following purposes and reasons:

To construct a Drill Site and Corridor Right-of Way to service the Ute Tribal #6-20

Across the following described Indian Lands NW 1/4 OF SECTION 20, T5S, R4W, U.S.B.&M.

Drill Site = 2.121 Ac.

Corridor R-O-W = 0.070 Ac.  
(Access Road & Pipeline)

Total Acreage = 2.191 Acres

Said Right-of-Way to be approximately 101.20 feet in length, 30 feet in width, and 0.070 Acres, and more particularly described and shown on the map of definite location to be attached and made a part hereof.

The applicant understands and hereby expressly agrees to the following stipulations:

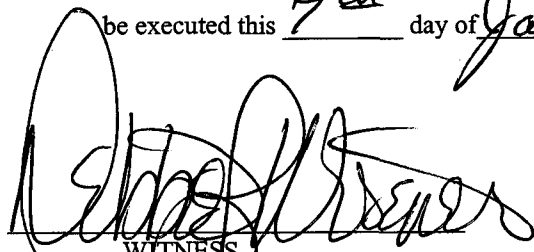

- (a) To construct and maintain the Right-of-Way in a workmanlike manner.
- (b) To pay promptly all damages and compensation, in addition to the deposit made pursuant to 169.4 determined by the Secretary to be due the landowners and authorized users and occupants of the land on account of the survey, granting, construction and maintenance of the Right-of-Way.
- (c) To indemnify the landowners and authorized users and occupants against any liability for loss of life, personal injury and property damage arising from the construction, maintenance, occupancy or use of the lands by the applicant, his employees, contractors and their employees or subcontractors and their employees.
- (d) To restore the lands as nearly as may be possible to their original condition upon the completion of the construction to the extent compatible with the purpose for which the Right-of-Way was granted.
- (e) To clear and keep clear the lands within the Right-of-Way to the extent compatible with the purpose of the Right-of-Way; and to dispose of all vegetative and other material cut, uprooted, or otherwise accumulated during the construction and maintenance of the project.
- (f) To take soil and resource conservation and protection measures, including weed control, on the land covered by the Right-of-Way.
- (g) To do everything reasonable within its power to prevent and suppress fires on or

near the lands to be occupied under the Right-of-Way.


- (h) To build and repair such roads, fences, and trails as may be destroyed or injured by construction work and to build and maintain necessary and suitable crossings for all roads and trails that intersect the works constructed, maintained, or operated under the Right-of-Way.
- (i) That upon revocation or termination of the Right-of-Way, the applicant shall, so far as is reasonably possible, restore the land to its original condition.
- (j) To at all times keep the Secretary informed of its address, and in case of corporations of the address of its principal officers.
- (k) That the applicant will not interfere with the use of the lands by or under the authority of the landowners for any purpose not inconsistent with the primary purpose for which the Right-of-Way is granted.

IN WITNESS THEREOF, BARRETT RESOURCES CORPORATION, has caused this instrument to

be executed this 7<sup>th</sup> day of January, 2000.

  
WITNESS  
  
WITNESS

**BARRETT RESOURCES CORPORATION**  
APPLICANT

  
Gene Martin/Production Foreman  
30 West 425 South (330-5)  
Roosevelt, Utah 84066  
Phone:(435)722-1325

SUPPORTING DOCUMENTS:

- ( ) Written consent of the landowners.
- ( ) Evidence of good faith and financial responsibility.
- (x) \$0 as per the terms of the Exploration and Development Agreement.
- ( ) State certified copy of corporate charter or articles of corporation.
- ( ) Certified copy of resolution or bylaws of the corporation authorizing the filing of the stipulations.
  
- ( ) State certification that the applicant is authorized to do business in the State where the land is located.
- ( ) Certified copy of the articles of partnership or association.
- (x) Map of definite location.
- ( ) Other:

BARRETT RESOURCES CORPORATION  
UTE TRIBAL #6-20  
CORRIDOR RIGHT-OF-WAY & DAMAGE AREA  
SECTION 20, T5S, R4W, U.S.B.&M.

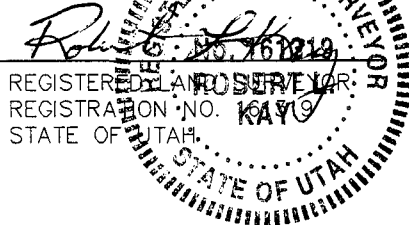
TOTAL CORRIDOR RIGHT-OF-WAY ON UTE TRIBAL LANDS

TOTAL LENGTH OF RIGHT-OF-WAY IS 101.20' OR 0.019 MILES. WIDTH OF  
RIGHT-OF-WAY IS 30' (15' PERPENDICULAR ON EACH SIDE OF THE CENTERLINE).  
CONTAINS 0.070 ACRES MORE OR LESS.

ENGINEER'S AFFIDAVIT

STATE OF UTAH }  
COUNTY OF UTAH } SS

ROBERT L. KAY, BEING FIRST DULY SWORN DEPOSES AND STATES THAT HE IS THE REGISTERED LAND SURVEYOR, FOR BARRETT RESOURCES CORPORATION, THAT THESE SURVEYS WERE MADE BY HIM (OR UNDER HIS SUPERVISION); THAT HE HAS EXAMINED THE FIELD NOTES OF THE SURVEYS OF THE DAMAGE AREA & CORRIDOR RIGHT-OF-WAY AS DESCRIBED AND SHOWN ON THIS MAP, THAT THIS MAP WAS PREPARED UNDER HIS DIRECTION FROM HIS FIELD NOTES; AND THAT SAID RIGHT-OF-WAY, 0.019 MILES IN LENGTH BEGINNING AND ENDING AS SHOWN ON THIS MAP IS ACCURATELY REPRESENTED.



ACKNOWLEDGEMENT

SUBSCRIBED AND SWORN BEFORE ME THIS 22 DAY OF Nov 1999.

MY COMMISSION EXPIRES Aug 17, 2002

NOTARY PUBLIC

UTAH



Notary Public  
**TRACY D. HENLINE**

3379 East 50th South  
Vernal, UT 84078  
My Commission Expires  
August 17, 2002  
State of Utah

APPLICANT'S CERTIFICATE

I, GENE MARTIN, DO HEREBY CERTIFY THAT I AM THE AGENT FOR BARRETT RESOURCES CORPORATION, HEREINAFTER DESIGNATED THE APPLICANT; THAT ROBERT L. KAY WHO SUBSCRIBED TO THE FOREGOING AFFIDAVIT, IS EMPLOYED BY THE APPLICANT AS A LAND SURVEYOR AND THAT HE WAS DIRECTED BY THE APPLICANT TO SURVEY THE LOCATION OF THIS SURFACE USE AREA AND CORRIDOR RIGHT-OF-WAY, 0.019 MILES IN LENGTH BEGINNING AT STA. 0+00 AND ENDING AT STA. 1+01.20, THAT SAID SURFACE USE AREA AND CORRIDOR RIGHT-OF-WAY ARE ACCURATELY REPRESENTED ON THIS MAP; THAT SUCH SURVEY AS REPRESENTED ON THIS MAP HAS BEEN ADOPTED BY THE APPLICANT AS THE DEFINITE LOCATION OF THE RIGHT-OF-WAY THEREBY SHOWN; AND THAT THE MAP HAS BEEN PREPARED TO BE FILED WITH THE SECRETARY OF THE INTERIOR OR HIS DULY AUTHORIZED REPRESENTATIVE AS PART OF THE APPLICATION FOR SAID RIGHT-OF-WAY TO BE GRANTED THE APPLICANT, ITS SUCCESSORS AND ASSIGNS, WITH THE RIGHT TO CONSTRUCT, MAINTAIN, AND REPAIR IMPROVEMENTS, THEREON AND THEREOVER, FOR SUCH PURPOSES, AND WITH THE FURTHER RIGHT IN THE APPLICANT, ITS SUCCESSORS AND ASSIGNS TO TRANSFER THIS RIGHT-OF-WAY BY ASSIGNMENT, GRANT, OR OTHERWISE.

Gene Martin  
APPLICANT

PRODUCTION FOREMAN

TITLE

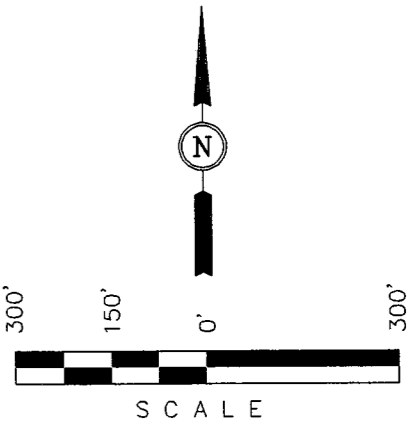
LOCATION DAMAGE AREA &  
CORRIDOR RIGHT-OF-WAY  
ON UTE TRIBAL LANDS

(For UTE TRIBAL #6-20)  
LOCATED IN  
SECTION 20, T5S, R4W, U.S.B.&M.  
DUCHESNE COUNTY, UTAH

CORRIDOR RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE SE 1/4 NW 1/4 OF SECTION 20, T5S, R4W, U.S.B.&M. WHICH BEARS N66°23'07"E 1655.21' FROM THE WEST 1/4 CORNER OF SAID SECTION 20, THENCE N56°55'41"E 101.20' TO A POINT IN THE SE 1/4 NW 1/4 OF SAID SECTION 20 WHICH BEARS N65°50'32"E 1755.11' FROM THE WEST 1/4 CORNER OF SAID SECTION 20. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS THE SOUTH LINE OF THE NE 1/4 OF SECTION 18, T5S, R4W, U.S.B.&M. WHICH IS ASSUMED FROM G.L.O. INFORMATION TO BEAR S89°57'E. CONTAINS 0.070 ACRES MORE OR LESS.

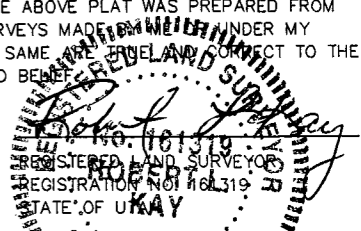


DAMAGE AREA DESCRIPTION

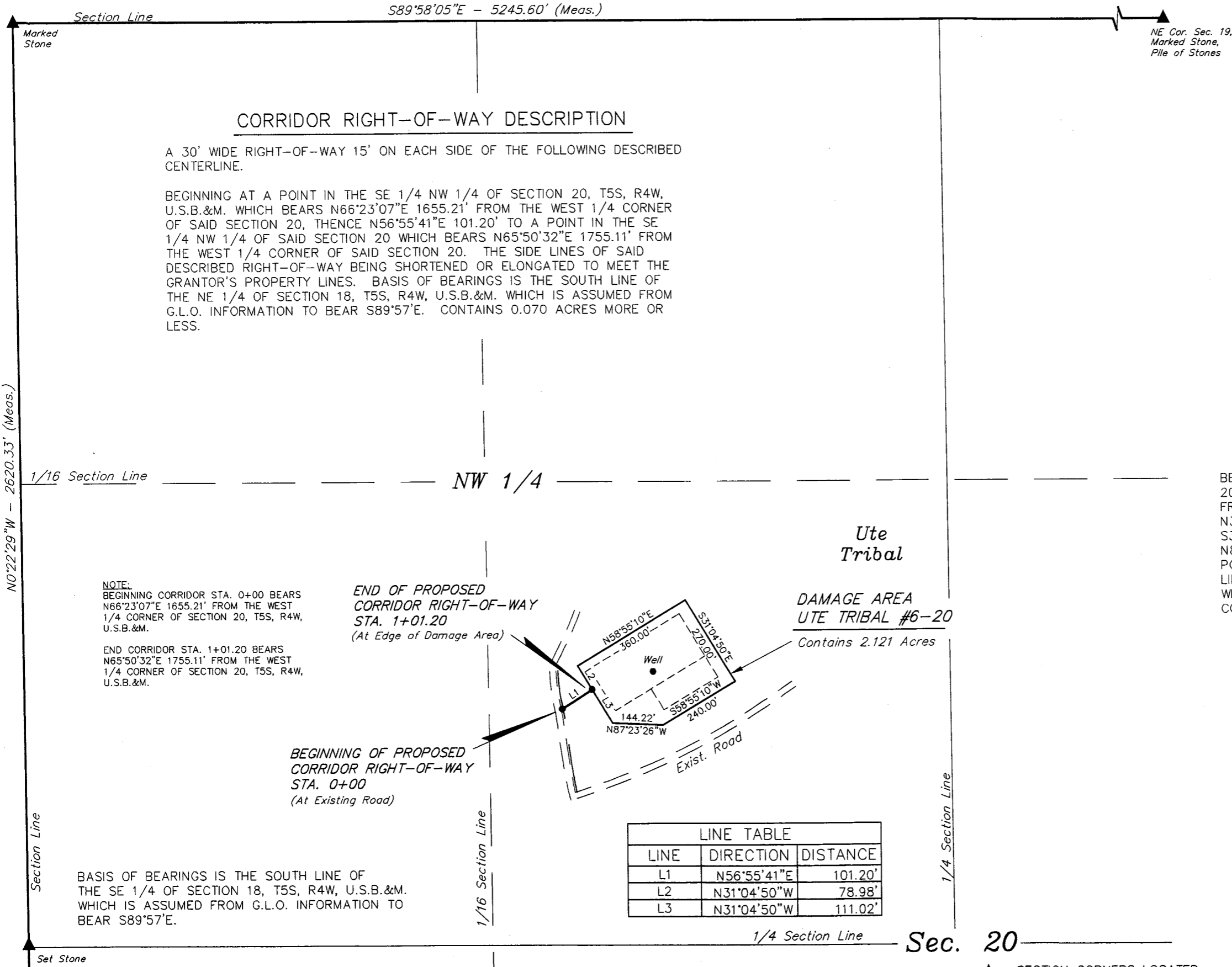
BEGINNING AT A POINT IN THE SE 1/4 NW 1/4 OF SECTION 20, T5S, R4W, U.S.B.&M. WHICH BEARS N65°50'32"E 1755.11' FROM THE WEST 1/4 CORNER OF SAID SECTION 20, THENCE N31°04'50"W 78.98'; THENCE N58°55'10"E 360.00'; THENCE S31°04'50"E 270.00'; THENCE S58°55'10"W 240.00'; THENCE N87°23'26"W 144.22'; THENCE N31°04'50"W 111.02' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS THE SOUTH LINE OF THE SE 1/4 OF SECTION 18, T5S, R4W, U.S.B.&M. WHICH IS ASSUMED FROM G.L.O. INFORMATION TO BEAR S89°57'E. CONTAINS 2.121 ACRES MORE OR LESS.

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



UINTAH ENGINEERING AND SURVEYING 85 SOUTH - 200 EAST • (435) 789-1017 VERNAL, UTAH - 84078	
SCALE 1" = 300'	DATE 11-20-99
PARTY K.K. S.L. C.B.T.	REFERENCES G.L.O. PLAT
WEATHER COOL	FILE 4 1 6 6 9

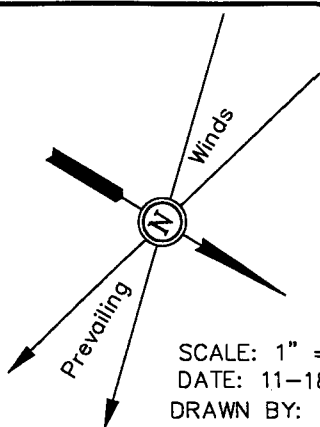


▲ = SECTION CORNERS LOCATED.

# BARRETT RESOURCES CORPORATION

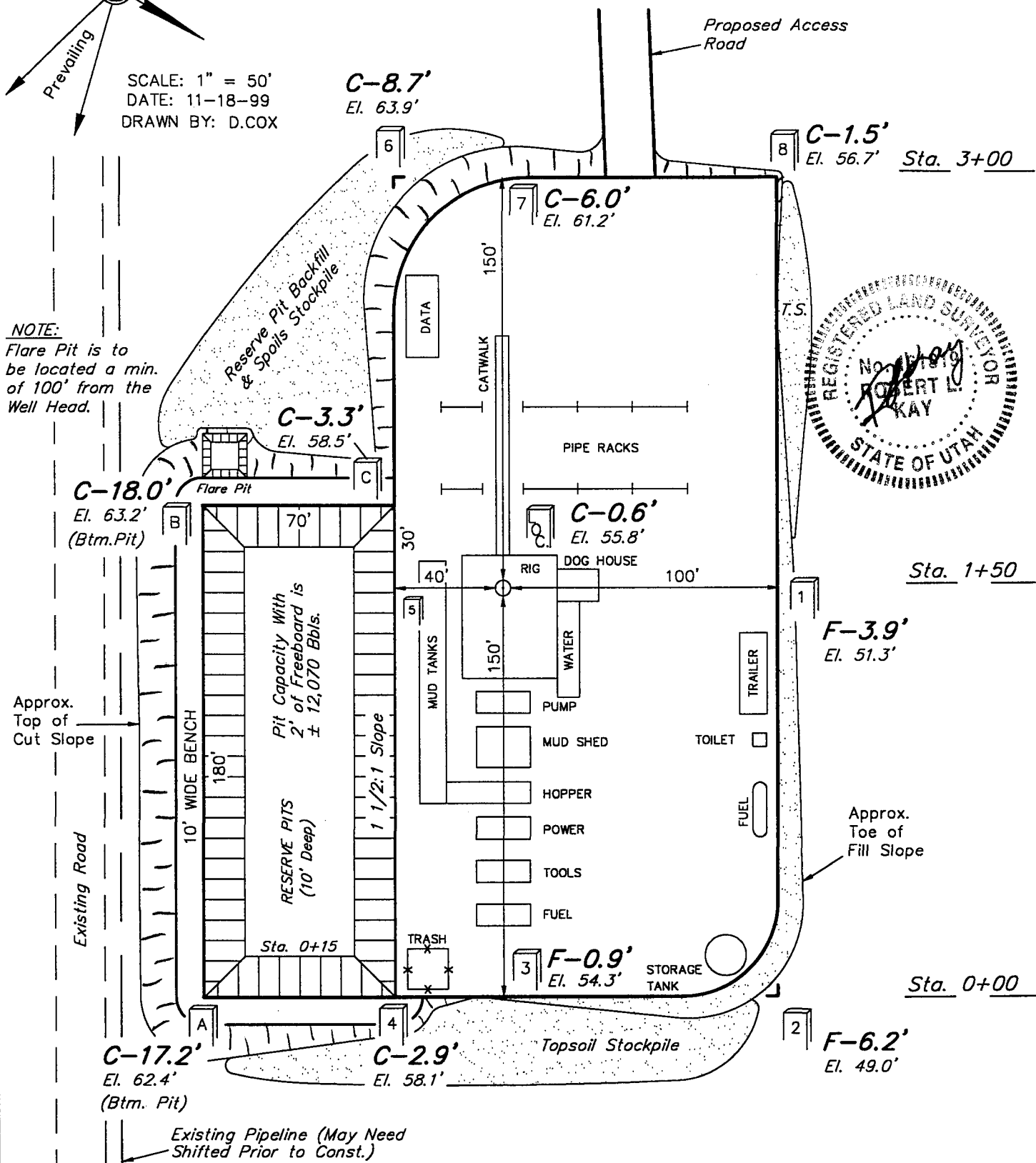
## LOCATION LAYOUT FOR

UTE TRIBAL #6-20  
SECTION 20, T5S, R4W, U.S.B.&M.  
1850' FNL 1780' FWL



### NOTE:

Flare Pit is to be located a min. of 100' from the Well Head.



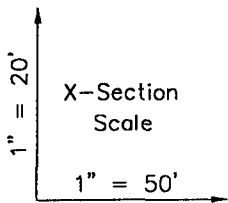
Elev. Ungraded Ground at Location Stake = 6655.8'  
Elev. Graded Ground at Location Stake = 6655.2'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah, 84078 \* (435) 789-1017

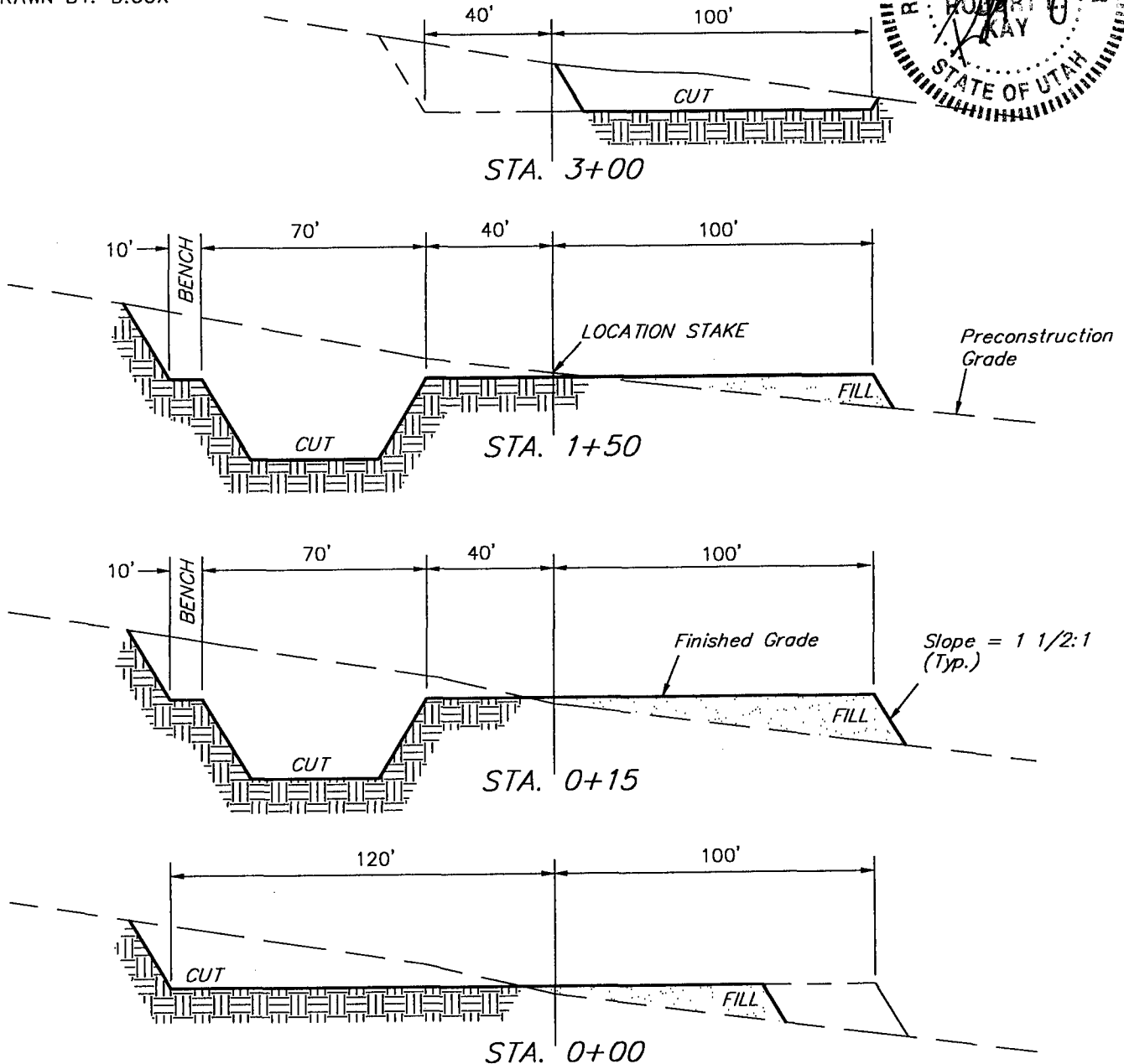
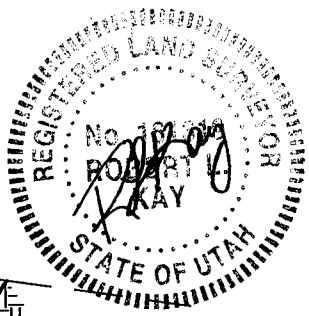
# BARRETT RESOURCES CORPORATION

## TYPICAL CROSS SECTIONS FOR

UTE TRIBAL #6-20  
SECTION 20, T5S, R4W, U.S.B.&M.  
1850' FNL 1780' FWL



DATE: 11-18-99  
DRAWN BY: D.COX



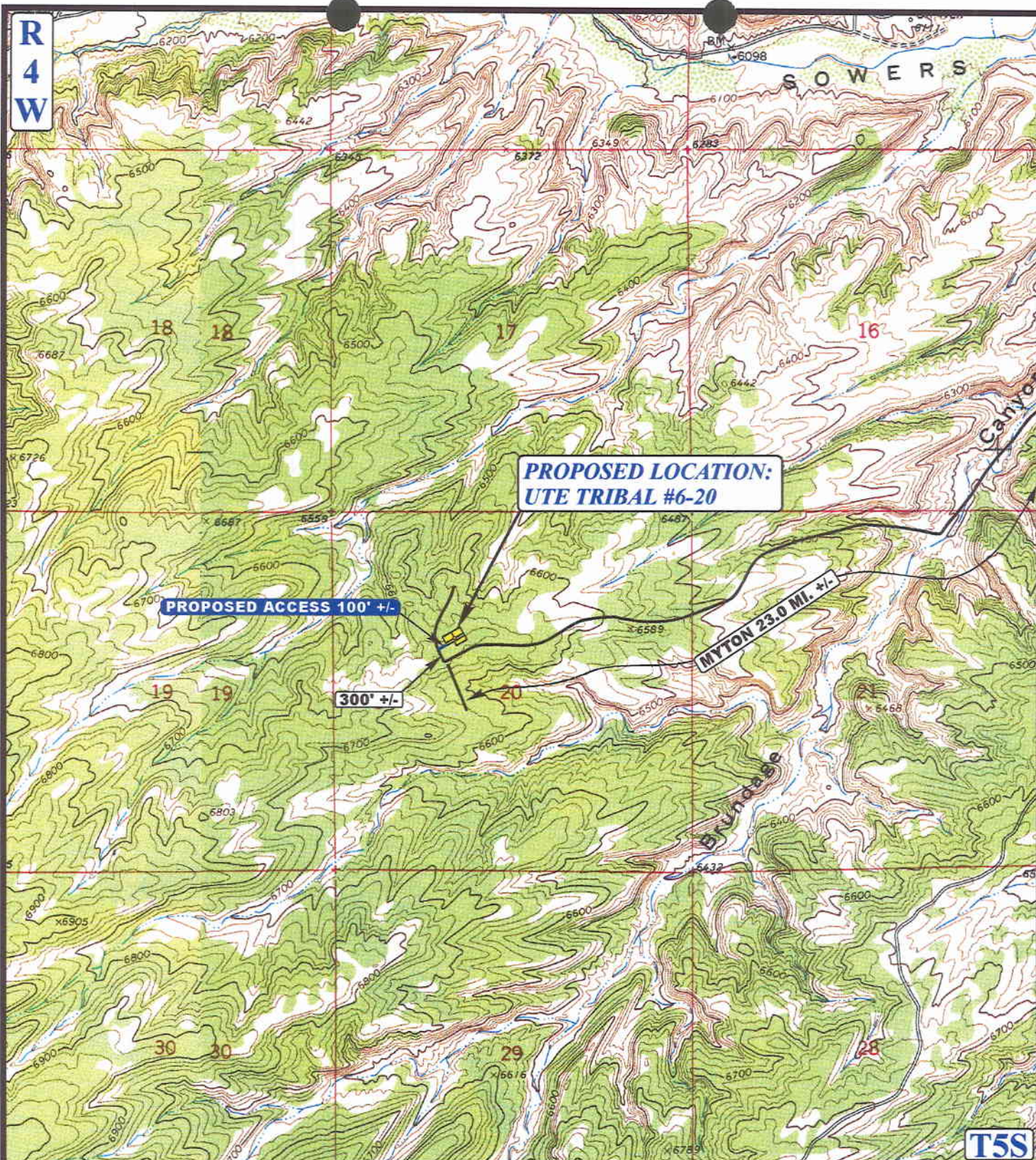
### APPROXIMATE YARDAGES

CUT	
(12") Topsoil Stripping	= 2,080 Cu. Yds.
Remaining Location	= 7,710 Cu. Yds.
TOTAL CUT	= 9,790 CU.YDS.
FILL	= 2,690 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	= 6,960 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,770 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 3,190 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017





<b>LEGEND:</b>		<b>BARRETT RESOURCES CORPORATION</b>	
<p>----- PROPOSED ACCESS ROAD</p> <p>———— EXISTING ROAD</p>		<p><b>UTE TRIBAL #6-20</b></p> <p><b>SECTION 20, T5S, R4W, U.S.B.&amp;M.</b></p> <p><b>1850' FNL 1780' FWL</b></p>	
<p><b>UeLs</b> Uintah Engineering &amp; Land Surveying</p> <p>85 South 200 East Vernal, Utah 84078</p> <p>(435) 789-1017 * FAX (435) 789-1813</p>		<p><b>TOPOGRAPHIC MAP</b></p> <p>SCALE: 1" = 2000' DRAWN BY: C.G. REVISED: 00-00-00</p>	
		<p><b>11 4 99</b></p> <p>MONTH DAY YEAR</p> <p><b>B TOPO</b></p>	



APPROXIMATE TOTAL PIPELINE DISTANCE = 100' +/-

**LEGEND:**

- — — — — EXISTING PIPELINE
- - - - - PROPOSED PIPELINE
- — — — — PROPOSED ACCESS



**BARRETT RESOURCES CORPORATION**

**UTE TRIBAL #6-20**  
**SECTION 20, T5S, R4W, U.S.B.&M.**  
**1850' FNL 1780' FWL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC**  
**MAP**

**11 4 99**  
 MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: C.G. REVISED: 00-00-00



**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 01/12/2000

API NO. ASSIGNED: 43-013-32142

WELL NAME: UTE TRIBAL 6-20

OPERATOR: BARRETT RESOURCES CORP ( N9305 )

CONTACT: GENE MARTIN

PHONE NUMBER: 435-722-1325

**PROPOSED LOCATION:**

SE NW 20 050S 040W

SURFACE: 1850 FNL 1780 FWL

BOTTOM: 1850 FNL 1780 FWL

DUCHESNE

BRUNDAGE CANYON ( 72 )

LEASE TYPE: 2-Indian

LEASE NUMBER: 14-20-H62-3529

SURFACE OWNER: 2-Indian

PROPOSED FORMATION: DGCRK

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

**RECEIVED AND/OR REVIEWED:**

☒ Plat  
☒ Bond: Fed[] Ind[2] Sta[] Fee[]  
(No. C00077 per Op. LHP00.9c)  
☒ Potash (Y/N)  
☒ Oil Shale (Y/N) \*190 - 5 (B)  
☒ Water Permit  
(No. Ute Tribe)  
☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_)  
☒ Fee Surf Agreement (Y/N)

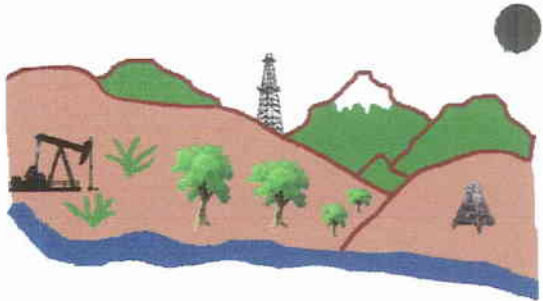
**LOCATION AND SITING:**

☒ R649-2-3. Unit \_\_\_\_\_  
☒ R649-3-2. General  
Siting: \_\_\_\_\_  
☒ R649-3-3. Exception  
Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_  
☒ R649-3-11. Directional Drill

**COMMENTS:**

**STIPULATIONS:**

① FEDERAL APPROVAL



# Utah Oil Gas and Mining

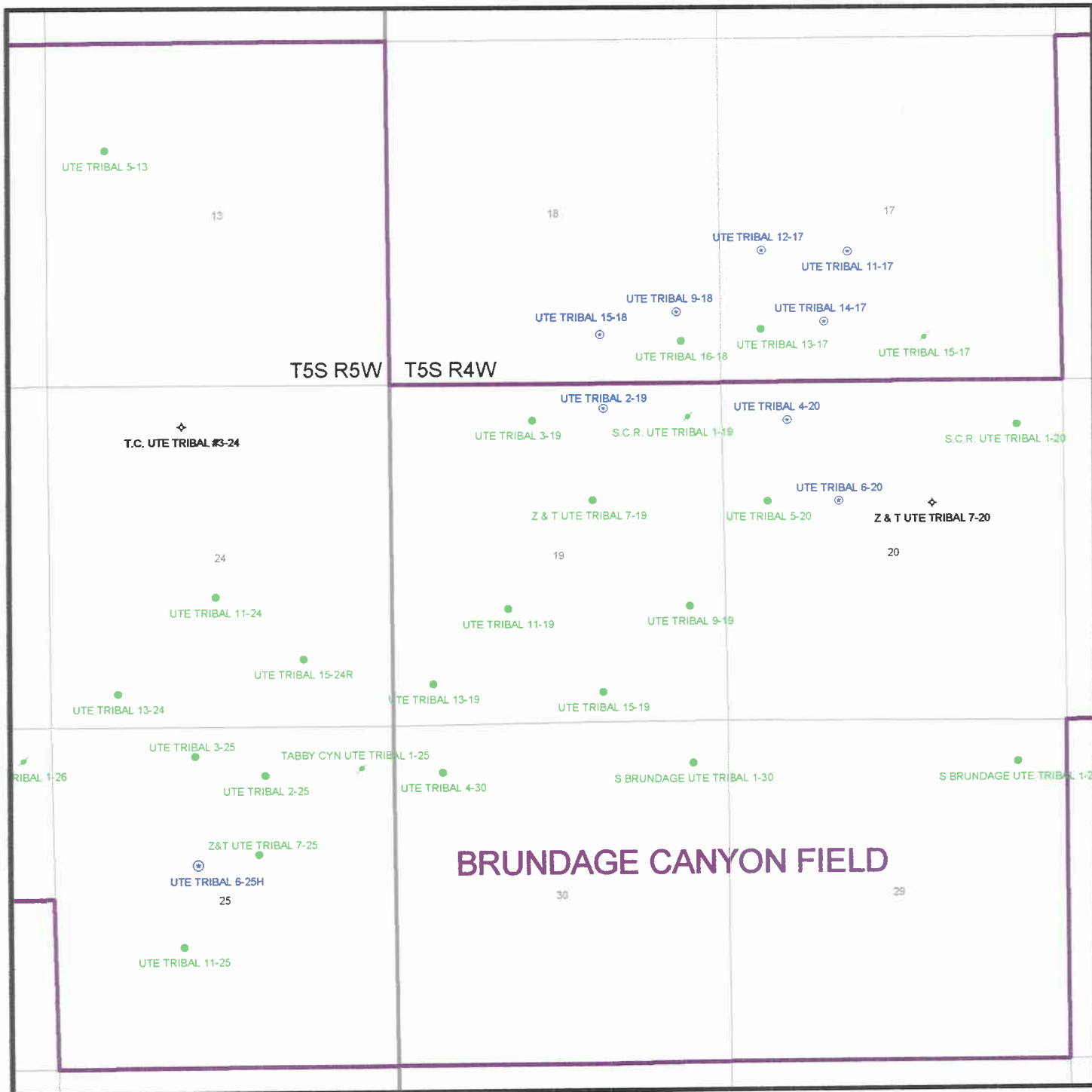
Serving the Industry, Protecting the Environment

OPERATOR: BARRETT RESOURCES (N9305)

FIELD: UNDESIGNATED (2) & BRUNDAGE CANYON (72)

S 25, T 5 S, R 5 W, & S 17, 18, 19, & 20 T 5 S, R 4 W

COUNTY: DUCHESNE CAUSE: NONE, UNIT: NONE



PREPARED  
DATE: 17-Jan-2000



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Kathleen Clarke  
Executive Director

Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

January 20, 2000

Barrett Resources Corp.  
30 West 425 South (330-5)  
Roosevelt, UT. 84066

Re: Ute Tribal 6-20 Well, 1850' FNL, 1780' FWL, SE NW, Sec. 20, T. 5 S., R. 4 W.,  
Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32142.

Sincerely,

*for* John R. Baza  
Associate Director

ecc

Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office

**Operator:** Barrett Resources Cor  
**Well Name & Number:** Ute Tribal 6-20  
**API Number:** 43-013-32142  
**Lease:** Indian **Surface Owner:** Indian  
**Location:** SE NW **Sec.** 20 **T.** 5 S. **R.** 4 W.

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well. Contact Carol Daniels at (801)538-5284.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Dan Jarvis at (801) 538-5338 or Robert Krueger at (801) 538-5274.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval which must be obtained prior to drilling.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.

14-20-H62-3529

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

UTE

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

UTE TRIBAL

9. WELL NO.

6-20

10. FIELD AND POOL, OR WILDCAT

BRUNDAGE CANYON

11. SEC., T., R., M., OR BLK,  
AND SURVEY OR AREA

SEC. 20, T.5S., R.4W.

12. COUNTY OR PARISH

DUCHESNE

13. STATE

UTAH

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

Oil well ☒

Gas well ☐

OTHER

Single zone ☒

Multiple zone ☐

2. NAME OF OPERATOR

BARRETT RESOURCES CORPORATION

3. ADDRESS OF OPERATOR

30 WEST 425 SOUTH (330-5) ROOSEVELT, UTAH 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

(SE/NW) 1780' FWL, 1850' FNL

At proposed prod. zone

SAME AS ABOVE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

22 MILES FROM MYTON, UTAH

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY  
OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any) 1780'

16. NO. OF ACRES IN LEASE

640

17. NO OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING,  
COMPLETED OR APPLIED FOR, ON THIS LEASE 1097'

19. PROPOSED DEPTH  
5995'

20. ROTARY OR CABLE TOOLS  
ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6656' GR

22. APPROX. DATE WORK WILL START\*  
January 15, 2000

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	32.3#	300'	180 SX
7 7/8"	5 1/2"	15.5#	5995'	235 SX

OPERATOR REQUESTS PERMISSION TO DRILL THE SUBJECT WELL. PLEASE SEE  
THE ATTACHED 10 POINT AND THE 13 POINT SURFACE USE PLAN.

IF YOU REQUIRE ADDITIONAL INFORMATION PLEASE CONTACT:

GENE MARTIN  
30 WEST 425 SOUTH (330-5)  
ROOSEVELT, UTAH 84066

OFFICE: (435)722-1325

CELLULAR: (435)790-7451

PLEASE KEEP THIS INFORMATION ON THIS WELL **CONFIDENTIAL**

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Gene Martin TITLE Production Foreman DATE 12/22/99

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Assistant Field Manager

APPROVED BY

TITLE

Mineral Resources

DATE

1-31-00

CONDITIONS OF APPROVAL IF ANY

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States a fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DOGMA 74

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Barrett Resources Corporation  
Well Name & Number: Ute Tribal 6-20  
API Number: 43-013-32142  
Lease Number: 14-20-H62-3529  
Location: SENW Sec. 20 T. 5S R. 4W

**NOTIFICATION REQUIREMENTS**

- Location Construction - at least forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing - at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - at least twenty-four (24) hours prior to initiating pressure tests.
- First Production Notice - within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative by the operator to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

### A. DRILLING PROGRAM

#### 1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report **ALL** water shows and water-bearing sands to Tim Ingwell of this office **prior to setting the next casing string or requesting plugging orders**. Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

#### 2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a **3M** system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

3. Casing Program and Auxiliary Equipment

If conductor pipe is set it will be cemented to surface. If drive pipe is used it will be pulled prior to cementing surface casing.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the usable water zone identified at  $\pm 2271$  ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

The Gamma Ray and Induction Logs need to be pulled from TD to the Surface Shoe.

A cement bond log (CBL) will be run from the production casing shoe to  $\pm 2171$  ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. **One** copy of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9. d.), and shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b. 4).

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approval or notification is necessary, please contact one of the following individuals:

Wayne Bankert           (435) 789-4170  
Petroleum Engineer

Ed Forsman             (435) 789-7077  
Petroleum Engineer

Jerry Kenczka           (435) 781-1190  
Petroleum Engineer

Tim Ingwell             (435) 781-4493  
Geologist

BLM FAX Machine       (435) 781-4410

## EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.

### **SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)**

The Ute Tribe Energy and Mineral Department is to be notified 48 hours in writing in advance of any construction activity. The Ute Tribal office days are Monday through Thursday. The Ute Tribe Energy and Minerals Department is to be notified in writing of any changes that are made to the original application and ROW. Approved changes will be provided in writing from the Ute Tribe. The Tribal Technician shall be notified and monitor backfilling of reserve pits and buried pipelines. During construction of the access road and flowline operations shall be monitored by the Tribal Technician.

Thirty foot wide Rights-Of-Way (ROWs) corridor shall be granted for the following:

Access roads which shall have constructed travel width limited to 18 feet, except as granted for sharp curves or intersections or where deep cuts are required for road construction. The new access will be about 102 feet in length. Culverts will be installed or extended where required and diversion ditches will be placed as needed to improve the proposed roads.

A surface steel production flowline is planned for this project. The flowline shall be about 102 feet in length as shown in Map C of the APD January 7, 2000. The flowline and access road do coincide for this project.

Surface pipelines will be constructed to lay on the soil surface, and the ROW for the pipeline will not be bladed or cleared of vegetation without site specific authorization from BIA and Ute Tribe Energy & Minerals.

Where surface pipelines do not parallel roads but cross country between stations. The line shall either be welded in place at a welding station located at the wellsite or on roads near the flowline right of way and then dragged into place with a suitable piece of equipment so it will not destroy the natural vegetation. If the flowline doesn't follow existing and APD proposed new access roads then traffic shall be restricted along pipeline ROWs so that they will not be used as an access road.

Buried flowlines shall be a minimum of three feet below the surface. After the construction of the pipeline is completed the disturbed area of the ROW shall be contoured to blend into the natural landscape, and it shall be reseeded with desirable vegetation. Between September 15 and November 1 of the year following pipeline construction of the buried line all disturbed areas shall be reseeded with perennial vegetation according to BIA, or to Ute Tribe specifications.

The pad will be built as indicated in the APD layout diagram. If the well is a dry hole, the BIA shall be consulted for reclamation requirements. The pad shall in this case be restored and reshaped to its natural contours.

Barrett Resources will assure the Ute Tribe that any/all contractors and subcontractors have acquired a current 2000 Tribal Business License and have access permits prior to construction.

Barrett employees, representatives, and subcontractors shall not carry firearms on their person or in their vehicles while working on the Uintah and Ouray Indian Reservation.

Barrett employees and/or authorized personnel (subcontractors) in the field will have applicable APDs and/or ROW permits/authorizations on their person(s) during all phases of construction.

All vehicular traffic, personnel movement, construction, and restoration activities shall be confined to the areas examined, as referenced in report, and to the existing roadways and/or evaluated access routes.

All personnel should refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area. The Ute Tribe Energy & Mineral Department shall be consulted if cultural remains (including paleontology fossils) from subsurface deposits are exposed or identified during construction or if the need arises to relocate or otherwise alter the location of the construction area. Prior to commencing constructing in the area where cultural resources are exposed the operator must obtain authorization from the BIA and the Ute Tribal Department of Cultural Rights and Protection.

Before the site is abandoned, the company will be required to restore the well site and ROWs to near their original state. The disturbed areas will be reseeded with desirable perennial vegetation.

Noxious weeds will be controlled on the well site and rights-of-way. If noxious weeds spread from the project area onto adjoining land, the company will also be responsible for their control.

When the reserve pit is dug: if groundwater is encountered then the pit bottom will be placed one foot above the water level. The pit will then be elongated and widened to maintain its original capacity. The Ute Tribe Energy and Minerals Department will be notified of the changes to be made so that a Tribal Technician can monitor the construction of the revised reserve pit.

Reserve pits will be lined with impervious synthetic liners. Liners will be constructed to lay under the mud tanks, and they will be reinforced to prevent the liner from developing holes where fluids flow from the mud tank into the reserve pit. Liners will be at least 10-mil thick minimum. Pits will be fenced and fences will be maintained as described in the wellsite layout description in the APD. Prior to backfilling the reserve pit all fluids will be pumped from the pit into trucks and hauled to approved disposal sites. When the pits are backfilled, the surplus oil and mud etc. will be buried a minimum depth of 3.0 feet below the surface of the soil.

A closed production system will be used. Production fluids will be contained in leak proof tanks. Low profile tanks may be used to minimize problems with irrigation systems. All production fluids will be disposed of at approved disposal sites. The indiscriminate dumping of production fluids on roads, wellsites or other areas will not be allowed.

Upon completion of the project approved under this Application for Permit to Drill and Right-of-way, the Ute Tribe Energy & Minerals Resources Department will be notified by Barrett Resources so that a Tribal Technician can verify Affidavit of Completions.

BARRETT RESOURCES CORPORATION



February 9, 2001

Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P. O. Box 145801  
Salt Lake City, Utah 84114-5801

ATTENTION: Ms. Leisha Cordova

**Ute Tribal 4-20**  
**NW/4NW/4 Section 20-T5S-R4W**  
**Duchesne County, Utah**  
**API 43-013-32141**  
**One Year Extension**

**Ute Tribal 6-20**  
**SE/4NW/4 Section 20-T5S-R4W**  
**Duchesne County, Utah**  
**API 43-013-32142**  
**Cancel**

Dear Leisha:

Thank you for contacting us yesterday regarding the status of these approved APDs. Barrett Resources Corporation respectfully requests that the approved APD for the Ute Tribal 4-20 well be extended for one year.

The Ute Tribal 6-20 approved APD can be cancelled. If you need further information, please contact me at (303) 606-4261.

Sincerely,

Debra K. Stanberry  
Permitting Specialist

**Approved by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**Date:** 02-14-01  
**By:**

RECEIVED

FEB 12 2001

DIVISION OF  
OIL, GAS AND MINING

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**By:**

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FEB 12 2001

DIVISION OF  
OIL, GAS AND MINING



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal Field Office

170 South 500 East

Vernal, Utah 84078-2799

<http://www.blm.gov/utah/vernal>

Phone: (435) 781-4400

Fax: (435) 781-4410

IN REPLY REFER TO:

3160

UT08300

February 22, 2001

Barrett Resources Corporation  
30 West 425 South (330-5)  
Roosevelt, Utah 84066

Re: Notification of Expiration  
Well No. Ute Tribal 6-20  
SENW, Section 20, T5S, R4W  
Duchesne County, Utah  
Lease No. 14-20-H62-3529  
Agreement No. 14-20-H62-4919  
*43-013-32142 / LA 2-14-01*

Dear Mr. Martin:

The Application for Permit to Drill the above-referenced well was approved on January 31, 2000. Since that date no known activity has transpired at the approved location. Applications for Permit to Drill are effective for a period of one year. In view of the foregoing, this office is notifying you the approval of the referenced application has expired. If you intend to drill at this location at a future date, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

*Leslie Crinklaw*

Leslie Crinklaw  
Legal Instruments Examiner

cc: State Div. OG&M